

WHAT IS CLAIMED IS:

- 5 1. A compound which is the ethyl ester of benzoyl ecgonine, where one or both of the oxy groups may be substituted by amino, and substituted on the benzoyl at the para position with a linking group to a carboxy group.
- 10 2. A compound according to Claim 1, wherein said linking group is of from 1 to 6 atoms.
- 15 3. A compound according to Claim 1, wherein said linking group is bonded through an oxygen atom to said benzoyl.
- 20 4. A compound according to Claim 3, wherein said linking group is of 1 to 6 atoms.
- 25 5. A compound according to Claim 1, wherein said carboxyl group is joined to a functional group to react with a protein in an aqueous medium.
- 30 6. An immunogen comprising an antigenic protein bonded to at least one molecule of ethyl ester of benzoyl ecgonine substituted on the benzoyl at the para position with a linking group to a carboxyl group, wherein said bonding in through said carboxyl group.
7. An immunogen according to Claim 6, wherein said antigenic protein is bovine serum albumin.
8. An immunogen according to Claim 6, wherein said antigenic protein is keyhole limpet hemocyanin.
9. A method for producing antisera which have a high affinity for cocaine and cocaethylene and a low affinity for benzoyl ecgonine, said method comprising:

immunizing a mammal with an immunogen according to Claim 6 with at least one booster shot,

5 wherein antisera is produced with a high affinity for cocaine and cocaethylene and a low affinity for benzoyl ecgonine.

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10. Antisera produced according to the method of Claim 9.
 11. Antisera according to Claim 10, wherein said mammal is a rabbit.
 12. Antisera according to Claim 10, wherein said mammal is a horse.

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